

1. E1 – 8:00 AM – Water Treatment Process Evaluation- Hanover, NH. - by Mark Arenberg, Wright-Pierce. Growth in Hanover, NH is projected for 2032- find out how the Town plans to meet the needs of the community for the future.

2. E2 - 8:00 AM – Public Water Systems & the GREE Fund. - by David Reid, NHDES. Gasoline Remediation and Elimination of Ethers Fund. Get the details on this financial assistance program.

3. E3 - 8:00 AM – Revitalizing Assets: Modernizing a 19th Century System- by Robert Little. Woodard & Curran. One NE City has been evaluating and upgrading its existing infrastructure to ensure their consumers receive top quality water and improved fire protection well into the 21st century.

4. E6 - 8:00 AM – Franklin Pierce College's Water System - by Bruce Lewis, Lewis Engineering. Water system in a college setting utilizing distributed supply, cationic exchange water treatment, MtBE treatment and gravity storage.

5. E1 - 9:00 AM – Governing Board – Operator Relations- by Robert Morency, RCAP Solutions, Inc. Issues facing Operators when dealing with BODs, Select boards, Commissions, etc. Learn what are and are not your responsibilities.

6. E2 - 9:00 AM – Planning For Emergencies When Interruption of Service Occurs! - by Chuck Heintz. Godwin Pumps. Interruption of Service is often unavoidable, if you have a plan on file, the length of time will be minimized.

7. E3 - 9:00 AM – Environmental Issues Associated with Well Cleaning & Rehabilitation – by Mitch Locker, NHDES. Things to consider: environmental setting where the work takes place, treatment chemicals used, discharge location and precautions affect waste stream characteristics.

8. E4 - 9:00 AM Radioactivity Rules– by Bernie Lucey, P.E., NHDES-WSEB. A review of the radionuclide rule and implementation and grandparent data policies of DES; evaluation of regionalization and new source development as options to address an exceedance of the MCLs. In depth review of treatment options for removing gross alpha, uranium and radium.

9. E6 - 9:00 AM – True Confessions of the Water/Wastewater Operator - by Mike Harrington, USA Bluebook. Chemical dosing- learn from your mistakes! Trial and error isn't always okay.

10. E1 - 10:00 AM – Lake Massabesic WTP Upgrade – by David Miller, MWW. A look at why it was necessary and the steps followed to make it happen!

11. E2 - 10:00 AM – Line Tapping Line Stopping Valve Insertion by Doug Allen, Severn Trent – Hydra Stop. A hands-on presentation on line tapping and stopping and valve insertions.

12. E3 10:00 AM – Cyanobacteria & Water Supplies - by Jody Connor, NHDES Limnology. These microbes emit toxins that can be harmful to small critters and dogs when they form in blue green algae. A must come for surface water supplies.

13. E4 - 10:00 AM – Arsenic Treatment Solutions for NH - by Greg Giles, AdEdge Technologies, Inc. Cost effective alternatives for small system compliance utilizing ferric oxide technology.

14. E6 - 10:00 AM – Drinking Water Lead Levels in Schools – by Richard Thayer and Becky Presby, NHDES. Lead issues in schools, proper sampling techniques, interpretation of results and when necessary, possible remediation plans will be discussed.

LUNCH BREAK 11:00AM to 12:30PM

PLEASE VISIT THE EXHIBIT HALL

15. E1 - 12:30 PM – MtBE Migration Towards a Water Supply Well – by James Wiech & Chris Lovel, GZA GeoEnvironmental. Exploration techniques will be discussed of the transportation of MtBE in fractured bedrock.

16. E2 - 12:30 PM – Brief History of Drinking Water Testing Through the Ages. – by Scott Kelley, Eastern Analytical. Improvements of drinking water through the years.

17. E3 - 12:30 PM – Securing Your Pump Station! - by Bill Pockl, B and S Locksmith. Learn about the products to secure your pump station. Types of fencing and height, door lock types and ratings, as well as varieties of security cameras will be explored.

18. E4 - 12:30 PM – Compliance Under the New Arsenic MCL – by Bernie Lucey, P.E., NHDES-WSEB and Other Special Guests. This will be a **TWO-hour presentation.** The presentation will cover: a review of the arsenic rule and implementation policy of DES; in-depth review of treatment options for arsenic removal; discussion of conducting pilot studies to determine the most cost effective absorptive medias; update on the EPA's Arsenic Demonstration Projects.

19. E6 - 12:30 PM – Reservoir Mixing Systems - by Mike Duer, NE Environmental Equipment. Separating the point of inlet to your storage tank can greatly improve tank mixing and water quality.

20. E1 - 1:30 PM – Salem, NH and Its MtBE - by Rob McCoy, SEA Consultants. Get the details on the first NH community to resolve its MtBE contamination problems. Learn about the federal program to help your community today.

21. E2 - 1:30 PM – Contamination Prevention Investigation and Treatment – by Eileen Pannetier, Comprehensive Environmental, Inc. Educate yourself on the latest contamination threats, potential future standards and prevention, investigation and treatment methods. .

22. E3 - 1:30 PM – Dig Safe – What You Need To Know – by Lisa Faso, Dig Safe. Overview of New Hampshire's damage prevention program, safe excavation practices and NH's Dig Safe Laws.

23. E6 - 1:30 PM – Temperature Influences on Slow Sand Filtration Treatment Performance- by Melanie Martin-Doole, NE WWTAC at UNH. Discussions of pilot studies researching the cause of reduced treatment performance of slow sand from optimum summer conditions to severe winter ones.

24 E1 - 2:30 PM – Combined Construction Projects- Towns, Precincts & Districts Working Together in NH- by Keith Pratt, Underwood Engineers. Two success stories on Precinct/District working jointly with Town Sewer to improve complete water distribution systems.

25. E2 - 2:30 PM – Dispose Your Alum Sludge or Recycle Your Hydrosolids – by Andrew Carpenter, North Tilton. Gain insight on successful programs to transition from disposal to recycling the solids from a water treatment plant.

26. E3 - 2:30 PM – Getting the Most Out of DES's Source Water Protection Grants - by Paul Susca, NHDES. For seven years, NH water suppliers have been using DES's Grant Program to fund a wide range of source protection and security projects. Come learn the basics of obtaining a grant and hear the latest on some notable success stories.

27. E4 - 2:30 PM – Groundwater Treatment for Iron, Manganese, Radon and Arsenic – by Mark Wetzel & Rich Protesowicki. Dufresne-Henry. Familiarize yourself with the several techniques used in the removal of these contaminants; their advantages, disadvantages, capital cost data and applicability to existing and future regulations.

28. E6 - 2:30 PM – Essentials of Cross Connection Control Programs - by John Bocchino & Gary Amundson, Weston & Sampson. Prevent health hazards of cross connections and lack of backflow devices.

IMPORTANT NOTES

- Each Seminar Equals One Contact Hour of Credit

- The Arsenic Compliance MCL Seminar Equals TWO Contact Hours of Credit

Supportive funding for Seminars has been provided by the New Hampshire Department of Environmental Services

DIRECTIONS TO THE CENTER OF NEW HAMPSHIRE/ RADISSON INN

From Boston, MA.: Take 93 N. Near Manchester, take **Rte 293N** (Left hand exit off **Rte 93**). After Brown Ave. Exit, stay to right as 293 bears right. Stay on **Rte 293** to second exit, #5 Granite St. At the bottom of ramp take right, go thru two sets of lights. Hotel garage is on the left.

From Maine, Portsmouth, NH.: Follow **95S** to **33W** to **101W/93S** to **293N**. After passing Brown Ave. exit, stay to **right** as 293 bears right. Stay on **Rte 293** to second exit, **exit #5 Granite St.** At the bottom of ramp take right, go thru two sets of lights. Hotel garage is on the left.

From CT: from Hartford, Take **Rte 84** to **Rte 90** (Mass Pike). Take Mass Pike to Rte 290 (Worcester) to **Rte 495** (Lowell) to **Rte 3N** (Nashua). Stay on **Rte 3** and go past the Bedford Toll Booth. Just south to Manchester. **Rte 3** becomes **Rte 293**. Take exit **#5/Granite St.**, turn right at bottom of ramp, then go thru two sets of lights. Hotel garage is on the left.

From Vermont: Take **Rte 89S** to Rte **93S** to **Rte 293S**. On **293S** take **exit #6**. Exit will circle around and over the Amoskeag Bridge. Stay right, take Canal St., ramp. Follow Canal St., for about 1 mile (8 sets of lights) to Granite St. (Bus station is on your left). Take left on to Granite St. Hotel garage is on the left.

To Take Rte 3 3N (Nashua): Just south of Manchester, **Rte 3** becomes **Rte 293**. Take exit **#5** and follow directions above.

Parking available at the Center of NH, the impound lot and four near by parking garages.

For information about the Exposition contact:
Patricia Beavers: Phone & Fax - **802.763.3937**
Email: **beaves@sover.net**
(Please put "NH Expo" in subject line)

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NEW HAMPSHIRE WATERWORKS ASSOCIATION



PRESENTS

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